

# The DX Bulletin

• America's Oldest Weekly Amateur Radio Publication •

Issue 397 - July 24, 1987

## DXpedition News

**Market Reef** - OJØ The callsign of the Market Reef operation scheduled to start July 25 will be OFØMA. The group should be on until August 2. Revised frequencies include 35Ø5, 7ØØ5, 14Ø25, 21Ø25, and 28Ø25 kHz on CW and 3795, 7Ø95, 14195, 21295, and 28595 on SSB. They promise two stations on the air 24 hours per day. QSL OHØNA, and see Issue 396 for more information.

**Barbados** - 8P John K4BAI will operate as 8P9HT in the CQWW CW contest in November. He'll be on SSB and WARC bands before and after the contest. QSL via K4BAI.

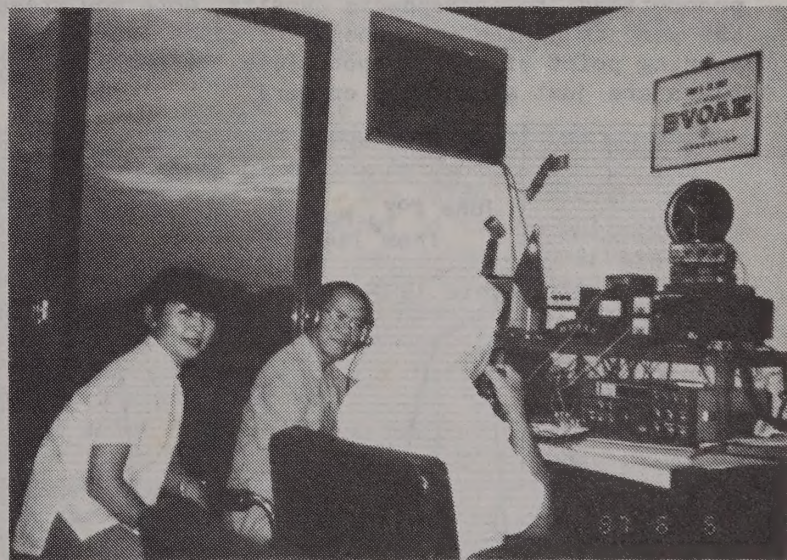
**Pacific** Yet another DXpeditioner is hopping around the Pacific: Pekka OH1RY. Starting October 18, Pekka (Peter) starts as 3D2RY, then on to C21NI, T3Ø ZK2 ZK1 and FO8 until mid-November. QSL home call, Box 29, 21531 Paimio, Finland. Skeds will be accepted. Mainly SSB with some CW, and WARC bands if permitted. Split frequency, with some list operations on 8Ø and 16Ø, and ZL2AAG's 4Ø meter net.

## Shortly Noted

- V47NX is ex-V47KXA. His son is V47NXX. QSL either call via Jones Estate, Nevis, Leeward Islands.
- 3C1CW was Jackie F6GXB. He has a new French call: F2CW. QSL to Jacques Calvo, 5-1Ø-5 Shimomeguro, Meguro-Ku, Tokyo 153, Japan.
- Gerry 5X5GK will be in Washington DC next month to confer with National Geographic Society officials about his work in Uganda.
- FT8XD is often on 18Ø74 kHz at Ø85ØZ on CW weekends. Also try 14Ø1Ø kHz at Ø63ØZ. QSL F6FNU, direct only, no bureau.
- ZD9BV likes 21265 at 17ØØZ. QSL W4FRU.
- ZL8HV in the Kermadecs often checks into Jim Smith VK9JS's net on 1422Ø kHz at Ø5ØØZ.
- Luis S92LB is often on 1418Ø kHz at 21ØØZ.
- and W9DH joins the elite group of Golden Jubilee Times 2 DXers, with country #2ØØ in '87 on July 5th.

## Islands On The Air

- FD1DUX/TK August 7-24, (EU-14).
- I2DMK/ID9 from Stromboli Island (EU-17) July 25-August 27, 16Ø-1Ø meters SSB/CW.
- F6AXP/Re on Ile de Re (EU-32) until July 27.
- TV6CAS from Hodic Island (EU-48) QSLs via FD1LBA.
- TV6TGS on Noirmoutier (EU-64) through July 24, by Swiss DXers.
- The new IOTA number for XE2BJC on Cedros Island is NA-17.
- QSL manager for UAØBCO on AS-55 Ushakova Island is UAØBBP.
- NY7BE was on Barter Island (NA-5Ø) through the end of June.
- UAØFF on Sakhalin (AS-18) has been worked on 14183 kHz at 14ØØZ. QSL Box 88.
- Some recent check-ins on the IOTA weekend net frequency of 1426Ø kHz (esp. 13ØØZ and 173ØZ) include LA7CM (EU-44), YU2FL (EU-16), LA6FFA (EU-55), LA4MEA (EU-79), DF8XC (EU-42), GB2NTS (EU-Ø8), ND1D (NA-55), W1MGP (NA-55), K7DWT (NA-62), and J73CB (NA-22). Thanks North American IOTA net manager W4BAA/8.



Operators at BVØAE include JA1UPA (XYL of organizer JA1UT), BV2A/B, and W9ZNY.

— Chod Harris VP2ML Editor

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# PROPAGATION

## Forecast and Historical Data

Day Forecast		27 Days Before				55 Days Before			
July		Date	Flux	A	K	Date	Flux	A	K
24	Low Normal	6/27	76	08/10	0	5/30	76	10/16	2
25	High/Low	6/28	77	04/10	1	5/31	75	15/18	3
26	High Nor	6/29	74	05/10	1	6/1	76	08/14	1
27	High Nor	6/30	68	05/08	0	6/2	76	10/10	1
28	High Nor	7/1	74	02/07	1	6/3	74	04/07	1
29	High Nor	7/2	72	03/08	1	6/4	75	08/12	1
30	High/Low	7/3	71	09/13	2	6/5	74	05/12	2
August									
1	High Nor	7/4	71	09/14	2	6/6	74	20/40	3
2	High Nor	7/5	71	05/10	2	6/7	74	07/11	3
3	High Nor	7/6	71	06/11	1	6/8	75	05/09	3
4	Low Normal	7/7	72	04/09	2	6/9	75	05/07	0
Thanks N4XX and KH6BZF									

Thanks N4XX and KH6BZF

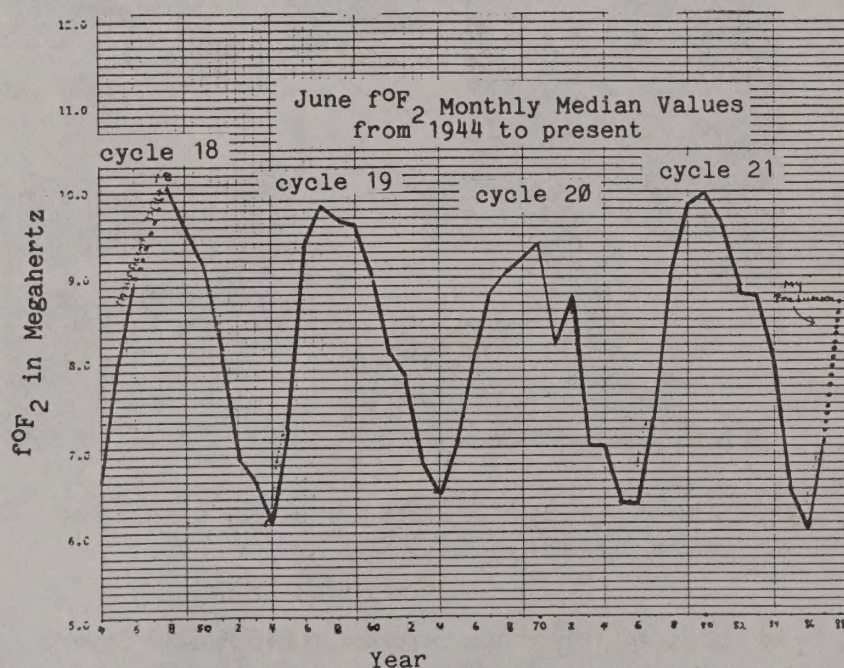
### Propagation Watch

The sun giveth, the sun taketh away. After some excellent band conditions in early July, propagation in the middle of the month could best be described as poor, including IARU Radiosport weekend. [Maybe that's why the ARRL scheduled its national convention that weekend. -ed.]

Mid-July was characterized by solar flux levels in the low 70s, not enough to open 15 meters, and barely enough for 20. Worse, absorption was much higher than in previous weeks, getting up into the low teens, more than enough to put a severe damper on long-haul DX. Planetary (long-haul and polar path) A-index was 29 on July 15, for example. Low flux and high absorption: it spells lousy DX. Compare the quantity and quality of Bandpass this week to that of last week; the differences are striking.

### Cycle 22

The good news is that evidence continues to roll in that we have passed the sunspot minimum, and are on our way toward better band conditions in the months and years ahead. Steve Barnes KH6SB has tracked the ionosphere over his Maui, Hawaii, home for more than 40 years, through 4 sunspot cycles. In the graph below, he shows how the  $f_oF_2$  has been increasing in recent months.  $f_oF_2$  is the lowest frequency of a transmitted signal that will pass through the ionosphere when beamed straight up. It is directly proportional to ionospheric density. Note how steeply the density of the ionosphere increases from the turning point of the sunspot cycle. Better days for DXers are just around the corner!



Thanks KH6SB (dotted line at right is prediction)

DXCC Update  
by Don Search W3AZD  
DXCC Administrator

At the recent ARRL National Convention in Atlanta, Georgia, Don Search W3AZD discussed some of the current DXCC happenings. Items of interest were:

- The DXCC backlog is presently 3-4 weeks. 160 meter and RTTY DXCCs get very a fast turn-around.
- DXCC has not received any documentary on any 5U Niger operation. The documents Don received at Dayton referred to a different DXpedition, not 5U as claimed. There are no accepted 5U operations at this time.
- There will be an Honor Roll of 160 meter DXCC eventually.
- The Central Radio Club in Moscow sent a message that YA Afghanistan operations are not authorized by the Russians, and not legal. Russian DXers are trying to get permission, but have been told, "It is impossible to operate." No valid Russian DXpedition to YA.
- A SAE is helpful when sending in small DXCC submissions, or asking questions.
- Golden Jubilee applications have passed the 2600 mark so far this year. If Don encounters an error in a US submission, he will attempt to call the DXer to see if he or she has worked an additional country since the application, rather than return it ungranted. Golden Jubilee applications are taking about one month to process at this time.
- DXCC will not reject a card that is not signed, but they do expect all cards to be signed.
- The controversy over the XF4DX operation occurred when a Mexican radio club questioned whether the operators were listed on the license. The problem was quickly straightened out, and XF4DX counts for DXCC.
- FR5ZU/E Europa cards have been arriving at Hq. for credit; thus they must be out.

### The Official Word From Burma

In their never-ending quest to operate from the more exotic spots on the globe, Llyod and Iris Colvin W6KG and W6QL recently contacted the Burmese PTT. They received a reply [addressed to Mr. Llyod and Mr. Iris] that says: "With reference to your letter [seeking permission to operate an amateur radio station], I am directed to inform you that the operation of Radio amateur activities has been suspended in Burma since 10th January 1964 until further notice. Therefore it is regretted that we are not in a position to oblige your request. Yours faithfully, (s) Lt. Col Aung Myint, Director General, Posts and Telecommunications Department, Ministry of Transport and Communications, Socialist Republic of the Union of Burma."

In short, NO! [When queried as to why DXCC accepts Don Miller's September, 1965 Burma operation is light of this information, Don Search replied, "It was before my time; I don't know." The recent operations by 1Z9B from that part of Burma just west of Thailand do not, of course, count for Burma for DXCC. 1Z9B has been in W7PHO's net on 14226 kHz at 1500Z on a regular basis.

\*\*\*\*\*  
\*  
\* FOR SALE: Complete "Big Bertha" rotating  
\* tower. 112' out of the ground. Original  
\* owner was W0NLY. \$5300 including updated  
\* control system rather than original not  
\* very accurate selsyns. Call for details.  
\* Dr. Sullivan, W0YVA/4, P O Box 579, Great  
\* Falls, VA 22066 (707) 478-3100 (w) or  
\* (703) 450-6320 (h).  
\*  
\*\*\*\*\*



# BANDPASS

Reports Wanted,  
Especially RTTY, 30 meters

-----RTTY-----  
9M2CS 14095 1347 9 CA  
FG5UQ 14088 1754 13 CA  
HL4IID 14085 1339 1 WA  
HL4IID 14096 1352 13 CA  
J88AR 14080 0222 11 CA  
KH3/ 14082 0355 13 CA  
KL7LF 14086 0542 4 WA  
KP2/ 14086 1345 1 WA  
K2BMI  
VE8RCS 14086 1412 26 WA  
YS7HL 14088 0005 7 WA  
ZP5JCY 14086 2350 9 CA

-----160 Meters-----  
ZL2BT 1829 0950 6 ID

-----80 Meters-----  
3C1CW 3795 0049 16 MA  
LU2YD 3502 0324 18 FL

-----40 Meters-----  
3C1CW 7003 0220 10 CT  
3C1CW 7006 0410 13 MN  
3C2A 7002 0601 9 CA  
3C3CR 7005 2258 12 CA  
4K1LPK 7012 0031 8 CT  
BV2A 7005 1423 9 CA  
BY1PK 7003 1235 11 ID  
CM6RD 7004 0145 15 FL  
CM8LY 7003 0607 9 CA  
DU7/N7ET 7006 1301 11 ID  
FK8EJ 7006 0550 7 MT  
FR4EA \* 7013 1350 9 ID  
HI8LC 7011 0141 18 FL  
HL1XP 7016 1221 11 ID  
KH2/NY6M 7007 1253 11 ID  
LU8DQ 7005 0350 9 ID  
OY6FRA 7003 0015 7 CT  
PZ1DV 7005 1056 18 FL  
UA9MCM 7011 0108 17 FL  
UD1/ 7007 0146 15 FL

UW1ZW  
VE2LJ 7004 0124 15 FL  
VK6HD 7004 2259 12 GA  
VS6DT 7006 1350 13 CA  
XE2BJC 7008 0558 9 WA  
YC4GD 7010 1319 11 ID  
Z21CA 7003 1430 13 CA  
ZF2BN 7006 1052 5 AL  
ZS5FY 7010 1430 8 CA  
ZS5FY \* 7004 1340 9 ID  
ZS5QQ \* 7006 1320 8 CA

-----20 Meter CW-----  
3C1CW 14026 2251 12 GA  
3C1CW 14024 2204 15 FL  
3C1CW 14026 0040 19 CA  
4Z4UW 14016 0300 15 CA  
5W1BB 14031 0143 14 MN  
9M2AX 14018 1517 5 CA  
9M2LE 14024 1522 5 CA  
9V1TL 14023 1240 13 MN  
9V1WE 14010 1426 4 CA  
9Y/J6LAD 14003 2154 14 FL  
BV2DA 14004 1207 14 MN  
BV2DA 14002 1402 16 CA

BY1QH 14027 1205 10 GA  
BY4RB 14027 1243 13 MN  
BY5AL 14046 0300 11 PA  
CO2SO 14007 0107 17 FL  
CP1FQ 14023 0104 16 FL  
CU2QN 14008 2240 14 FL  
EA6EJ 14003 2255 13 FL  
EA6EJ 14005 2147 16 FL  
EA8BRG 14030 0134 15 FL  
EL2FN 14012 1153 10 GA  
FG5BT 14012 2124 16 FL  
FK8FN 14014 0215 14 MN  
GD0BCJ 14003 1059 18 FL  
GD4AM 14007 1300 13 MT  
GJ4HSW 14012 2211 14 FL  
HC5AI 14001 2324 13 FL  
HI3JEI 14007 0132 18 FL  
HK0BKX 14017 1318 10 MN  
HK0BKX 14018 1150 8 AL  
HK1AMW 14016 0130 19 CA  
HL1LW 14010 1246 14 MN  
HL1XP 14029 1205 14 MN  
HP1AC 14018 2220 15 FL  
IS0ATP 14003 2056 17 FL  
JW/ 14014 0223 15 CA  
SP5EXA 14012 1453 4 CA  
" 14026 2221 8 WA  
KH2D 14026 1439 4 CA  
KH2D 14033 1319 7 MT  
KH3/WY5L 14005 1158 5 AL  
KH3/WY5L 14009 0628 7 MT  
OH0/ 14024 0600 7 MT  
OH2BDA  
OY1R 14004 2137 14 FL  
PJ7JC 14015 1139 18 FL  
PZ1DV 14019 2321 15 FL  
PZ2AC 14006 1116 5 AL  
RL7JA 14003 0137 15 FL  
SV0CJ/5 14022 2100 17 FL  
TF3DC 14017 0343 12 ID  
TF3IRA 14020 2350 13 FL  
TF3SZ 14019 1154 7 AL  
TI2OY 14031 0143 19 CA  
TK/F6BUM 14002 2146 16 FL  
UA1OT 14020 0125 15 CA  
UD1/ 14015 0119 15 FL

UW1ZW  
UD7DZA 14019 0234 8 MN  
UL7FCI 14025 0239 15 CA  
UL7FDO 14002 0136 15 FL  
UL7LFL 14012 0139 15 FL  
UM8MAE 14029 0140 14 MN  
UO5AP 14004 2139 14 FL  
UO5PK 14001 0144 15 FL  
UQ1GWX 14027 0200 2 GA  
UR1RYB 14027 0532 15 CA  
VK9NL 14025 0430 4 MO  
VP2MDY 14028 0127 8 GA  
VP2MM 14026 1225 9 CT  
The Last Resort  
VS6DO 14020 1224 13 MN  
VS6GP 14015 1543 5 CA  
VU2JOS 14018 1523 4 CA  
XE1X 14024 0203 7 GA  
YZ9CT 14025 0100 8 GA

-----20 Meter SSB-----  
1Z9B 14226 1615 8 CA  
3C1MB 14232 2214 5 GA  
3C1MB 14231 2226 5 CA

3D2AA 14177 0602 12 MN  
3D2ER 14215 0446 11 MN  
3D2JO 14220 0248 11 PA  
5B4TI 14176 0440 4 MO  
5B4TI 14190 0140 7 MI  
5T5NU 14208 0150 10 CA  
5X5GK 14183 1825 5 CA  
6W6JX 14243 0043 2 PA  
6Y5IC 14162 0139 19 CA  
7P8DX 14159 1657 4 MA  
9N1MC 14176 1509 2 CA  
9Q5NW 14180 2132 12 MN  
9Q5NW 14180 2055 8 MA  
A35SA 14309 0330 11 PA  
A71BJ 14170 0158 1 MA  
A92BE 14161 0233 15 CA  
AP2AU 14160 0128 4 CT  
AP2MQ 14186 0230 15 CA  
DU1CK 14198 1240 14 MN  
DU9RG 14227 1225 14 MN  
EA8QP 14217 2317 3 CA  
FO5LU 14153 0250 15 CA  
H44JA 14220 0300 11 PA  
HS0B 14183 1503 2 CA  
J28EM 14183 1612 8 MA  
J6L/ 14237 0153 6 MI

DL7XK  
KH9AC 14309 0430 6 CA  
KX6BA 14225 0405 13 MN  
KX6OI 14193 0533 12 AL  
LZ2KSQ 14195 0510 15 CA  
OD5AS 14173 0438 4 MO

OD5VT 14219 2129 6 MI  
P29FG 14226 1425 5 MA  
P29FG 14178 1309 7 MT  
SU1ER 14226 2030 3 MO  
TJ1CH 14198 1615 8 MA  
TU2MY 14240 2208 12 MA  
UA1OT 14226 1746 2 PA  
UL9HWW 14207 0328 1 MA  
V31AB 14179 0135 19 CA  
V85HG 14190 1215 13 MN  
V85HG 14180 1216 14 MN  
V85SB 14175 1215 14 MN  
VK0GC 14220 0434 11 MN  
VK0GC 14199 0445 4 MO  
VU2NR 14192 1444 7 CA  
VU2UGI 14243 0221 5 CT  
VU2XX 14186 1538 16 CA  
YI1BGD 14183 1920 8 MA  
YN3ACZ 14178 0130 10 CA  
YZ9RA 14210 0524 15 CA  
ZF2AH 14178 0058 5 CT  
ZK1XV 14187 0452 11 MN  
ZL7AA 14220 0200 10 CA  
ZL7AA 14220 0315 8 MN  
ZY0ZZB 14236 2330 8 CA

-----15 Meters-----  
3C1CW 21002 2044 11 AL  
EA8FS 21022 2118 16 FL  
HG5A 21020 1656 11 ID  
UP1DWW 21025 1646 11 ID  
VP2VEN 21215 1649 11 AL

## QSL INFORMATION

### QSL Help Wanted

- WA2ICE seeks addresses for VP8BLT and VP8BLZ.
- K1TG wants info on 5Z4YV FO8IT Z21CA Z22JS
- SV1AEU for WB8SFF.
- Ron WA7CGR wants an XZ2TZ card from Don Miller's Sept. 1965 operation. Original QSL manager W4ECI is a Silent Key. SM5CAK's All Time QSL Manager List suggest W0BN, but Art says he has lost touch with Don, and doesn't know who has the logs. Any help? Ron also is looking for info on KH6CMM/KB6 on Baker/Howland.

### QSL Information

- SM4CAN says he still has cards and logs from his 1981 DXpedition to Market Reef as SM4CAN/OH0/OJ0 [now that's a callsign! -ed.] He can also handle SM4DHF/OH0/OJ0 cards.

### QSL Help Offered

- QSL expert Osten SM5DQC, now recovering for a recent operation, offers the following goodies:
- JA7JTX/JD1 may be JA7JT. Try JH7BRG or JA7JT.
  - 9J2AK via JH1CDO, who is not in the US Callbook. Ask a Japanese ham who call it up in the JA callbook.
  - 8Q7AP was once DL3EV, but may be a re-issue.
  - ZK1MB is listed as ZL1AMO or ZL1ADI, but this call is not on Ron ZL1AMO's QSL stuffer listing the calls he will QSL. Try ZL1ADI.
  - KX6PI is via K1FNA.

In order to continue to provide the best possible QSL service Osten and co-expert SM5CAK need old Callbooks from both the US and other countries. US books for 1977 and before 1976 and DX issues before 1977 would be much appreciated. Also equivalent callbooks from other countries would be very useful. No funds are available, but these two do provide very valuable QSL research for DXers worldwide. Write Osten Magnusson SM5DQC at P O Box 110, 59900 Odeskog, Sweden.

### QSLs Received

ZC4JA OH0MD/OJ0 K1ST/6W1 RZ10WA (via bureau) 3A2GL  
3Y1EE 8R1RPN K1BAZ/DV1 FH4ED/FR/G FP/W1CCN (9 days)  
5A0A (30 days) BV2B VK0GC C21NI CW66PAX AP2SQ A61XL  
SU1ER V44KAR.

**Key to Bandpass:** Callsign, frequency, UTC, day of month, state. \* = long path, P = Packet. All 'portable' calls are listed with country of operation first, regardless of format used on the air.



8 00498 87/09  
A A LAUN K3ZO  
AMERICAN EMBASSY (USIS)  
APO MIAMI FL 34021

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## The DX Bulletin

### CALENDAR

Issue 397 - July 24, 1987

(Changes and hot info in boldface.)

Algeria - 7X	7X2LS 20 SSB 01-03Z	I389
Andorra - C3	C33A August 5-31	I384
Bahrain - A9	A92BE 14150+ 02-04Z	I394
China - BY	BY0CQ Aug. 16-18	I396
Christmas - T32	T32BF 14178 02-04Z	I386
Corsica - TK	HB9TL Jul 15-Aug 8	I391
Crozet - FT8W	FT8WA 14236 0400Z	I389
Easter Is - CE0	CE0GHO YL 14220 23-0200Z weekends	I388
Eq. Guinea - 3C	3C1MB 14245 or 14007 after 2300Z	I391
Faroës - OY	OY7ML 20 M CW 07-08Z	I392
Fiji - 3D	3D2JO 14220 0500Z	I394
Franz Josef	UA10T 14227 1600Z	I394
Johnston Is - KH3	KL7LF, NH6D 20 0400Z	I394
	KL7LF/KH3 on RTTY	I395
Kermadec - ZL8	ZL8HV 14195 0400Z	I393
	14220 at 0400Z	I394
Kerquelen - FT8X	FT8XD 14010 0630Z	I397
Lebanon - OD	OD5SM 20 SSB 02-04Z	I394
Macquarie - VK0	VK0GC 14309 0300Z	I389
	VK0ML 10 up CW 06Z	I390
Madeira - CT3	DL4BBO Jul 24-Aug 13	I391
Malagasy - 5R	5R8JD by TU2NP	I393
Market Reef - OJ0	OF0MA Jul 25-Aug 2	I396
Mexico - XE	XE0ICS Jul 24-26	I396
Mongolia - JT	JT1BG 14178 1630Z	I394
Nauru - C2	C21XX 7163 06-0700Z	I393
	C21NI Aug. 11-17	I396
Nepal - 9N	9N1MM 14236 at 0130Z	I384
	and 0030Z Wed.	I388
	9N1MC 14200 09-1300Z	I385
Oman - A4	A4XKA-C 20 SSB 02Z+	I394
Qatar - A7	A71BK 20 SSB 02-04Z	I389
RASD - S0	August 6-16 New One?	I396
Russians - U/R	Lots 0200, 1500Z	I383
Sao Tome - S9	S92LB 14157 1930Z	I390
	14180kHz at 2100Z	I397
Saudi Arabia HZ	HZ1AB 20 SSB 02-03Z	I392
Sri Lanka - 4S	4S7RO, EA 01-02Z or	

Svalbard - JW	15-1600Z 20 SSB	I3
Syria - YK	4S7EF 14050 1700Z	I3
Tahiti - FO	SP5EXA/JW 20 M CW	I3
Taiwan - BV	OE8HFL/YK 14215 04Z	I3
Thailand - HS	FO0FB Jul 18-Aug 4	I3
	20 M 14-1500Z	I3
	HS0A in contests, HS0B weekends	I3
	HS0C July 23-26	I3
	OE2CHN late July	I3
Tristan Chuna	ZD9BV 21265 1700Z	I3
Tunisia - 3V	3V8FRA Oct 17-27	I3
United Arab Em	A61AB 14243 1500Z	I3
	14250 0400Z net	I3
	14226 at 2130Z	I3
Zaire - 9Q	9Q5NW 14175 1900Z	I3
Zone 23	BY0AA 14014 0030-0130	

### DX Activities and Contests

Date	Event or Activity	I
July 25-26	Venezuelan CW Contest	I
July 25-26	Northwest DX Conv.	I
July 26	Eastern IA DX Dinner W	
Aug. 8-9	Worked All Europe CW	
Aug. 15-16	SARTG RTTY Contest	
Aug. 15-16	SEANET SSB Contest	CQ
Aug. 22-23	Worked All Asia CW	CQ
Oct. 10-11	DXPO 87 Atlanta GA WB4ZNH	
Oct. 10	New England DXCC	W1EED

### Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following:  
N4XX, KH6BZF, W6TFO, W4VQ, NCDXC, WA6PJR, KA1XN, K0CVD, NW6P, KW0A, K1MEM, K1TG, W4BAA, KE7X, WB8SFF, W9DH, DXNL, OK1DWJ, SM5DQC, W1WY, WB1AUW, N1CIX, K4BAI, W6BJI, W6GO, WA7EGA, KA7T, W3HCW, N4NO, W7NEJ, KH6SB, W3AZD, W6KG, JA1UT, VK9NS, OH1RY, SM5AQD, and W6AUG. Many Thanks!